



589,409

#16/E  
NEPATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Graydon Ernest Beatty	Examiner:	Lee S. Cohen
Serial No.:	09/589,409	Group Art Unit:	3739
Filing Date:	June 7, 2000	Docket No.:	1922
Title	Endocardial Mapping Catheter		

Date of Deposit: 12/10/03

I hereby certify that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231

Signature: Robert Beck  
Printed Name: Robert C. BeckRECEIVED  
DEC 23 2003  
TECHNOLOGY CENTER R3700

## RESPONSE

Assistant Commissioner for Patents  
Washington, DC 20231

This is responsive to the outstanding Office Action mailed 6/10/03.  
Reconsideration and allowance of this application is respectfully solicited in view of the following amendments and remarks.

## AMENDMENTS

In the Claims Kindly revise them to read as follows:

1. (allowed) A mapping catheter for use in mapping cardiac electrical potentials of a patient's heart comprising:
  - a) a set of electrodes;
  - b) first positioning means having a maximum diameter that defines the maximum diameter for said catheter, coupled to said set of electrodes for spacing a portion of said set of electrodes, defined as a first subset of electrodes, apart from and not in contact with a surface of said patient's heart, at least one of said